Index to Gleanings in Bee Culture

Volume LXXIX, 1951

In using this index the reader should not fail to note that it is divided into four departments, namely; General, Editorials, Contributors, and Illustrations. The index of General includes everything except Editorials, Illustrations, and Contributors.

General

A

Acid for removing surplus honey 690
Advertise honey 591
AFB, bees resistant to 563
colonies, disposing of 226
Air transportation of package bees 154
Wick for chasing away bees 144
Alabama 168, 489
All dated up 145
American Bee Breeders' Asso. meeting 52
Beekeeping Federation meeting in Denver 42, 172
foulbrood, this 724
Honey Institute News Notes 51, 107, 162, 223, 300, 367, 430, 498, 540, 630, 671, 735
Ants between inner and outer covers 492
in your apiary 687
Apiary, arrangement of hives in 157
how not to move 527
inspectors of America meeting 49
management of pollination colonies 202
of 125 colonies from swarms 346
odor in 690
Apple griddle cakes 27
pollination in Washington 201
Applicious, honey 27
Arboretum, Morris, honey plant garden in 415
Argentine ant 469
Arkansas, beekeeping in 534
Arrangement of hives in apiary 157
Arthritis, bee stings for 77, 285
Australia, migratory beekeeping in 713

B

Banana charlotte 280
honey ice cream pie 215
Basic honey dough 344
Basswood tree at Monticello blows down 526
Baxter bui'ding finished 602
honey business expands 13
Bee and animal breeding 335
diseases 469
hive, cement, experiments with 405
hives, new device for 474
how long it lives after losing sting 85
hunting in winter 20
louse, getting rid of 23
master of Buckfast Abbey 235
native, of Vermont 652
self-fertilization in 273
stings for arthritis 77, 285
stings, trouble with ..605
Beekeepers, amateur only, for 24
doing for boys and girls 692
do not eat enough honey 460
how are they to keep going 362
should he'p themselves 475
three classes 29
Beekeeping, are you interested in? 365
"in Antiquity" new book 628
in Arkansas 534
in British Columbia 329
in Hawaii 393, 468
in India 16, 717
in Jamaica, 50 years after 656
in Oregon 146
opportunity in Hawaii 78
short course at Pa. State College 436
Bees, avoid poisoning with parathion 603
breeding improved 335, 401, 530, 594, 664
bringing from south by train 81, 151
clustered on front of hive 563
cross, requeening 23
do not like molasses 751
fill honey jars 474
fly, how high? 31, 363
for pollinating legumes 73
for pollinating red clover 137
for pollination 103
gentle 41
hybrid 54
in Switzerland 524
killing in fall 690, 751
must be ready 206
on wheels in Australia 713
races of 17
resistant to AFB 563
stingless, in U. S. 30
working spittle bug secretion 567
"Beeswax", book by H. H. Root 235
conservation 269
produced in Hawaii 468
Beginners, more needed 28
Bookkeeping for beekeeping simplified 521
Book Reviews:
Beeswax, Root 235
Honey and Their Management, F. R. Shaw and S. B. Whitehead 749
Honey in the comb, Killion 303
Year book of Agri. 481
Braula coeca 299
Bread, honey date nut ..215
honey fruit nut 599
honey orange 215
Breeding improved honey bees..... 335, 401, 530, 594, 664
British Columbia, beekeeping in 329
heat for wintering in ..718
Brood disease, ultraviolet light aid in diagnosing 654
Buns, honey currant 599

C

Caging old queen while young one is reared ..604
Cake, honey orange sponge 478
California 35, 99, 163, 227, 290, 355, 418, 484, 555, 611, 675, 739
State Beekeepers' Asso. meeting 49, 100
Candy, honey dried fruit ..87
Carbolic acid for removing honey 690
CARE aid urged for Koreans 44
Carload of bees moved from south to north 81, 151
Carroll, Elmer tribute to 627
Carrots, honey glazed 414
Cary, Edward T., death of 49
Caucasians vs. Italians ... 9
Charlotte, banana 280
Chemical poisoning 36
Choco-honey sweets 727
Christmas gifts from the kitchen 728
Chunk honey in shallow frames 110
Church in Calif. built by proceeds from honey bees 276
Clover, Pellett, puzzle of 600
Cobbler, honey rhubarb 280
Coffee and vanilla honey 433
Colonies, dividing in spring 54
must be ready for flow 207
with AFB, disposing of 226
Colorado 101, 424, 559, 747
Color standards, permanent glass, for extracted honey 410
Comb honey from privet 409
produced over two-story brood chambers 157
production 340
record crop 538
section, treating for moth 605
top supering for 299
Combs and cappings, wax from 434
of granulated honey, what to do with 434
of honey stored during winter 54
Cook book, new, does not favor honey 460
Cook-Dupage Co. meeting 238
Cornflake crunch, honey 280
muffins 27
Cyanogas, using 110, 562
killing bees in fall with 751

D

Date-nut pudding 145
squares 145
Davis, Adele, cookbook does not favor honey 460
Delaware beekeeping exhibit 631
Delicious for spring 280
Diet, reducing, honey in ..92
Dividing colonies in spring 54
Dough, basic honey 344
Drone, the 619
"Du", a Swiss magazine 499
Dutch skeps 22

Index to Gleanings in Bee Culture

Volume LXXIX, 1951

In using this index the reader should not fail to note that it is divided into four departments, namely; General, Editorials, Contributors, and Illustrations. The index of General includes everything except Editorials, Illustrations, and Contributors.

General

A

Acid for removing surplus honey 690
Advertise honey 591
AFB, bees resistant to 563
colonies, disposing of 226
Air transportation of package bees 154
Wick for chasing away bees 144
Alabama 168, 489
All dated up 145
American Bee Breeders' Asso. meeting 52
Beekeeping Federation meeting in Denver 42, 172
foulbrood, this 724
Honey Institute News Notes 51, 107, 162, 223, 300, 367, 430, 498, 540, 630, 671, 735
Ants between inner and outer covers 492
in your apiary 687
Apiary, arrangement of hives in 157
how not to move 527
inspectors of America meeting 49
management of pollination colonies 202
of 125 colonies from swarms 346
odor in 690
Apple griddle cakes 27
pollination in Washington 201
Applicious, honey 27
Arboretum, Morris, honey plant garden in 415
Argentine ant 469
Arkansas, beekeeping in 534
Arrangement of hives in apiary 157
Arthritis, bee stings for 77, 285
Australia, migratory beekeeping in 713

B

Banana charlotte 280
honey ice cream pie 215
Basic honey dough 344
Basswood tree at Monticello blows down 526
Baxter bui'ding finished 602
honey business expands 13
Bee and animal breeding 335
diseases 469
hive, cement, experiments with 405
hives, new device for 474
how long it lives after losing sting 85
hunting in winter 20
louse, getting rid of 23
master of Buckfast Abbey 235
native, of Vermont 652
self-fertilization in 273
stings for arthritis 77, 285
stings, trouble with ..605
Beekeepers, amateur only, for 24
doing for boys and girls 692
do not eat enough honey 460
how are they to keep going 362
should he'p themselves 475
three classes 29
Beekeeping, are you interested in? 365
"in Antiquity" new book 628
in Arkansas 534
in British Columbia 329
in Hawaii 393, 468
in India 16, 717
in Jamaica, 50 years after 656
in Oregon 146
opportunity in Hawaii 78
short course at Pa. State College 436
Bees, avoid poisoning with parathion 603
breeding improved 335, 401, 530, 594, 664
bringing from south by train 81, 151
clustered on front of hive 563
cross, requeening 23
do not like molasses 751
fill honey jars 474
fly, how high? 31, 363
for pollinating legumes 73
for pollinating red clover 137
for pollination 103
gentle 41
hybrid 54
in Switzerland 524
killing in fall 690, 751
must be ready 206
on wheels in Australia 713
races of 17
resistant to AFB 563
stingless, in U. S. 30
working spittle bug secretion 567
"Beeswax", book by H. H. Root 235
conservation 269
produced in Hawaii 468
Beginners, more needed 28
Bookkeeping for beekeeping simplified 521
Book Reviews:
Beeswax, Root 235
Honey and Their Management, F. R. Shaw and S. B. Whitehead 749
Honey in the comb, Killion 303
Year book of Agri. 481
Braula coeca 299
Bread, honey date nut ..215
honey fruit nut 599
honey orange 215
Breeding improved honey bees..... 335, 401, 530, 594, 664
British Columbia, beekeeping in 329
heat for wintering in ..718
Brood disease, ultraviolet light aid in diagnosing 654
Buns, honey currant 599

C

Caging old queen while young one is reared ..604
Cake, honey orange sponge 478
California 35, 99, 163, 227, 290, 355, 418, 484, 555, 611, 675, 739
State Beekeepers' Asso. meeting 49, 100
Candy, honey dried fruit ..87
Carbolic acid for removing honey 690
CARE aid urged for Koreans 44
Carload of bees moved from south to north 81, 151
Carroll, Elmer tribute to 627
Carrots, honey glazed 414
Cary, Edward T., death of 49
Caucasians vs. Italians ... 9
Charlotte, banana 280
Chemical poisoning 36
Choco-honey sweets 727
Christmas gifts from the kitchen 728
Chunk honey in shallow frames 110
Church in Calif. built by proceeds from honey bees 276
Clover, Pellett, puzzle of 600
Cobbler, honey rhubarb 280
Coffee and vanilla honey 433
Colonies, dividing in spring 54
must be ready for flow 207
with AFB, disposing of 226
Colorado 101, 424, 559, 747
Color standards, permanent glass, for extracted honey 410
Comb honey from privet 409
produced over two-story brood chambers 157
production 340
record crop 538
section, treating for moth 605
top supering for 299
Combs and cappings, wax from 434
of granulated honey, what to do with 434
of honey stored during winter 54
Cook book, new, does not favor honey 460
Cook-Dupage Co. meeting 238
Cornflake crunch, honey 280
muffins 27
Cyanogas, using 110, 562
killing bees in fall with 751

D

Date-nut pudding 145
squares 145
Davis, Adele, cookbook does not favor honey 460
Delaware beekeeping exhibit 631
Delicious for spring 280
Diet, reducing, honey in ..92
Dividing colonies in spring 54
Dough, basic honey 344
Drone, the 619
"Du", a Swiss magazine 499
Dutch skeps 22

E

Educational exhibits in St. Louis 462
Eggs, fertile and unfertile 362
Elgetol, blossom thinning spray 202
Empire State Honey Producers' meeting 50
Enemies of bees 469
Entrance, top, for bees 655
Excluders, queens, and swarming 563
Exhibit, beekeeping, of Delaware B.K.A. 631
Exhibits, educational, in St. Louis, Mo. 462
Extracting equipment 458

F

Fall honey flows, tale of two 473
Fencing against skunks ..434
Flavor, honey, preventing deterioration 604
Floral sources in Hawaii 470
Food chamber hive 265
Fortified with honey 215
Foundation, fastening into shallow frames 492
Four ones are four 81, 151
Frames, empty, renovating 226
wiring 476
Fruit loaf, honey 344
pollination 364
salad dressing, honey ..414
Fruity and good 478

G

Garage, bees in wall 20
Georgia 171, 744
Glass, permanent, color standards for extracted honey 410
Government supports higher honey price 93, 209, 279
Granulation, retarding 157
Griddle cakes, honey apple 27

H

Hawaii, beekeeping in 393, 468
Hawaiian Pineapple Co. offers beekeeping opportunity 78
Hay fever and honey 693
Hearts, honey 87
Heat, supplementary, for wintering bees 718
Heather honey, wonderful 93
Heating honey leaving the extractor 751
Heredity and variation 401
Hernandez's Jesse, charm against bee stings 726
Herrod-Hempsall, W., death of 695
Hive, bees clustered on front 563
cement, experiments with 405
food chamber 265
let-alone 722
Hives, manipulating, to avoid being stung 563
occupied by bees, painting 691
represent Old Testament characters 341
Holiday sweets 727
Honey, advertise 591
and hay fever 693
applicious 27
man's most useful insect 462
beekeepers don't use enough 460
bees, breeding improved 335, 401, 530, 594, 664
believe in it 591
bran muffins 599
buckwheat, you can learn to like 437
businss expands, Baxter 13
cans, revolutionizing reuse of 60-lb. 346
caramel rolls 344
corn flake crunch 280
crisps 87
crusted pears 537
currant buns 599
date-nut bread 215
date-nut pudding 145
date-nut squares 145
Honeydew 472
dough, basic 344
dried fruit candy 87
fig pudding 668
flavor, preventing deterioration 604
flows, fall, tale of two 473
fortified with 215
fruit baked pudding 27
fruit loaf 344
fruit nut bread 599
garden, Langstroth, dedication of 545
glaze 727
grades, U. S., revision of 233
granulated, combs of what to do with 299, 434
granulated, getting out of combs 562
happies 215
has a foreign taste 226
Hawaiian salad 478
hearts 87
heather, wonderful 93
hold the price 591
house suggestions 688
in reducing diet 92
"in the Comb", book by Carl E. Killion 174, 303
jars, bees fill 474
jubilees 414
know these facts about 106
leaving the extractor, heating 751
lemon cream 478
meringue 27
orange bread 215
orange wafers 727
packers, suggestions on price to ask 720
pecan roll 727
plant enthusiast visits another 625
plant garden in Morris Arboretum 415
plant, privet as 408
praline pudding 537
price, government supports 93, 209
producing and extracting 457
production and stocks, 1951 750
production, a young queen for 270
pumpkin pie 668
rhubarb cobbler 280
rhubarb pineapple cream 280
rice dessert 537
roadside selling 585
signs, roadside 529
stuffed sweet potatoes 668
surplus, acid for removing 690
tea ring 344
toffee 759
top-knots 145
valentines 87
Honeys 537
these are 414
Horse, how much are you paying for one? 720
Hybrid bees 54
what to expect of? 216

I

Ice cream pie, banana honey 215
Illinois 166, 488
Inbred and hybrid bees ..594
India, beekeeping in 16, 717
Introduction of queens, safe 566
Iowa 229, 560
Nebraska beekeepers' picnic 546
International beekeeping Congress 369
Israel, visitors from 493
Italians vs. Caucasians 9

J

Jamaica beekeeping 50 years after 656
Japan, a visitor from 653
Jars, bees fill 474
Jeep, power loader mounted on 76
Johnson, W. C., new extension man for S. C. ..625
Jubilees, honey 414

K

Kansas 615
Kentucky 293, 616
Killing off bees in the fall 690
Killion's Carl, record comb honey crop 538
Kitchen, Christmas gifts from 728
Knowledge, little, dangerous 218
Know your market 88

L

Labels stick, this makes 621
Langstroth honey garden dedication of 545
L. L. 660
memorial services at Andover, Mass. 626
Legume, pollinating, bees for 73
seed production 100
Lemon cream, honey 478
Let-alone hive 722
Live and Learn ...479, 606, 670, 729
Lotus honey in India 16, 717

M

Maine 105, 423
Manipulating hives to avoid being stung 563
Man's most useful insect 462
Maryland 679
Massachusetts 293, 613
summer meeting, highlights 567
Meringue, honey 27
Mice in bee yard 91
Michigan 104, 421, 742
winter meeting 176
Migratory beekeeping in Australia 713
Millen, Eric, prize winner 539
Minnesota 39, 361, 680
Mississippi 359, 677
Missouri 558
Moisture in honey equipment for determining 342
Molasses, bees do not like 751
Montana 164, 486
Monticello, basswood tree blows down 526
Jefferson's home 400
Morris Arboretum, planting honey plant garden in 415
Moth, getting rid of 362
Moths, treating section comb honey for 605
Move an apiary, how not to 527
Moving bees by truck, dis-

astrous 334
bees commercially 338
parent hive to new stand 690
Muffins, honey bran 599
honey cornflake 27

N

Nebraska 102, 420, 741
Iowa beekeepers' picnic 546
Nectar, I brought to my bees 731
New Jersey 358, 681
New York 39, 617
more efficient orchard pollination in 210
North Carolina annual meeting 304
North Dakota 103, 420

O

Odor in apiary 690
Ohio 167, 488, 743
beekeepers' short course 282
modified two-queen system 212
summer meeting at Medina 548
Oklahoma 292, 614
Ontario ...40, 105, 170, 232, 295, 360, 423, 490, 559, 681, 744
Opportunity, an unusual 78
Orchard packages for pollination 110
pollination in New York, more efficient 210
Oregon 229, 557
beekeeping in 146
Organization, let's pep up our 431

P

Package bees drifted badly 563
sent by air 154
Packages shipped in 1950 272
Painting hives occupied by bees 691
Palmetto state meeting .283
Parathion, avoid poisoning bees with 603
Pears, honey crusted 537
Pellett clover, puzzle of 600
Frank, death of 363
tribute to 589
Pennsylvania 230
beekeeping short course 368
Pesticides 419
Phillips, Dr. E. F. 592
Pie, honey pumpkin 668
ice cream, banana honey 215
Poisoning bees with parathion, avoid 603
in orchard 202
Pollen supplement, feeding 165
Pollinating insects, techniques on 203
legumes, bees for 73
red clover 137
Pollination, apple 201
bees for 103
contracts 356
meeting at Ardmore ..367
of fruit 364
orchard packages for ..110
rental fee for 74
services 291
Power loader mounted on jeep 76
Praline pudding, honey 537
Privet as a honey plant 408
Prize, Eric Millen, awarded 539
Production of hybrid queens 664
Propolis—its useful 719
Pudding, baked honey fruit 27
honey-date-nut 145
honey fig 668
honey tapioca grapenut 27
praline, honey 537

Q

Quadruple cases, wintering in 649
Queen cells, how to find all 691
excluders, using 691
introduction, safe 566
old, caging while young one is reared 604
traps, using 691
Queens and packages shipped in 1950 272
can't find 111
excluders, and swarming 563
good, how to raise 467
hybrid, production of 664
old, killing at beginning of honey flow 605
young, needed for honey production 270

R

Races of bees 17
Red clover, bees for pollinating 137
Rental fee for pollination 74
Requeening cross bees 23
without dequeening 111
Rhubarb cobbler, honey 280
pineapple cream 280
Rice desert, honey 537
Roadside honey selling 585
honey signs 529
Rolls, honey carmel 344
honey pecan 727

S

Salad dressing, honey fruit 414
honey Hawaiian 478
Saskatchewan 486
Scientific men visit Gleanings 275
Scraper, keeping clean ..683
Second Glances 26, 90, 156, 222, 281, 345, 413, 480, 541, 607, 669, 730
Section comb honey production 340
Self-fertilization in bee 273
Sex determination and bee breeding 530
Shallow frames, chunk honey in 110
Short course at Pa. State College 436
Signaling device 459
Signs, honey, roadside 529
Skeps, Dutch 22
Skunks, fencing against 434
Smell in apiary 690
Snow on hives in winter 111
protection for bees 21
Southern States Beekeepers' Federation meeting ..52
Spittle bug secretion, bees working 567
Sponge cake, honey orange 478
Spring management 142
Stingless bees in the U. S. 30
Stings, bees, for arthritis 77, 285
Jesse Hernandez's charm against 726
trouble with 605
Storing combs of honey during winter 54
Sugar, brown, not suitable for winter stores 111
Sulfathiazole does not control AFB 492
Surplus honey, acid for removing 690
Swarm capture, safe and sane 347
what is it worth? 435
Swarming, is there a problem? 278
queens, and excluders 563
Swarms make 125-colony apiary 346
Sweet potatoes, honey stuffed 668
Swiss magazine "Du" 499
Switzerland, bees in 524

T

Tapioca grape nut pudding 27
Tea ring, honey 344
Tennessee 169, 678
Termites 469
Texas 37, 101, 169, 231, 357, 422, 491, 556, 616, 677, 740
Thanksgiving, let's extend 668
Thiafos, what is it? 226
Three-in-one 344
Tired, why 91
Toads 469
Too late will produce too little 206
Top entrance for bees 655
supering for comb honey 299
Top-knots 145
Two-queen system 212

U

Ultra violet light aid in diagnosing brood disease 654
Uniting two colonies of bees 434
U.S.D.A. to continue honey aid 93, 209, 279
U.S. honey grades, revision of 233

V

Valentines, honey 87
Vanilla and coffee honey 433
Vermont 294, 618
beekeepers exhibit 46
native bee of 652
Virginia 167, 746

W

Wafers, glazed honey orange 727
Washington 36, 359, 745
apple pollination in 201
Wax from old combs and cappings 434
melting in aluminum pan 751
moth, combating 604
production rather than honey 492
secretion by bees 683
Weed control 291
Whip 'em up in a jiffy 599
Who's Who in Apiculture 284
correction in 348
Winter, bee hunting in 20
snow on hives in 111
Wintering bees in B.C. with supplementary heat 718
in California 24
in Wisconsin 721
in quadruple cases 649
system, successful 587
Wiring frames 476
Wisconsin 165, 487
bees packed in 721
Wyoming 38, 357

Y

Year Book of Agriculture 481

Illustrations

A

Anderson, Prof. E. J. 551
Apiaries in Oregon 147, 148, 149, 150
Apiary in December, January and February ..733
backlot, in Vermont . 287
backlot, well sheltered 237
in alsike clover field in B. C. 329
in California well protected 24
in kiawe grove in Hawaii 79
in Norway 109
in Switzerland 525
location, ideal 495
men of Root Co. 544
new, starting in B. C. ..331
of W. H. Arthur 350
of E. A. Bethurum 86
of carved hives in Poland 341
of A. L. Coggshall 425
of Ernest Fahlbeck 457
of Marvin Kosanki 733
of Emil Lund 722
of George Nichols, transferring nuclei 149
one of Root Co. 107
on Molokai Island 393, 396
on staging in Florida 151, 153
work should start early in spring 143
Apiculture laboratory, Maryland's 682
Apples 201
Aqueduct, ancient, in Jamaica 658
Arboretum rock wall 545
Arkansas, bee demonstrations in 535, 536
map showing favorable honey areas 534
Arthur, W. H., apiary of 350 and scale hive 566
Australia, homestead of H. Darrell 713

B

Bailey, Seymour 282
Baking-day bargain 344
Bald heads—pupae in unsealed cells 471
Balloon blowing contest 549
Banana charlotte 280
Barozzi, Chas., distributes samples of honey 46
Barrett, D. P. 177
Barth, Walter 275
Basswood tree at Montecello blown down 526
Baxter, Ira 13
Leroy 13
Wm., wife and daughter 13, 603
new buildings 14, 15, 602, 603
Bee demonstration by Mid-Hartfordshire Asso. 12
demonstration in Arkansas 535, 536
enlarged, on dandelion .....August cover
exhibits in St. Louis 462, 463, 464, 465
Beekeepers meet in apiary in Norway 109
shrine at La Jolla, Cal. 276
Bees' bodies showing coloring 402, 403
finding in Switzerland 525
four species of 18
on vetch for honey and pollination in Oregon 147
Bethurum, E. A., in his apiary 86
Biblical characters represented by carved wooden hives 341
Big Bee Buzz Apiary 722
Boat, river, loaded with hives of bees 83
Bowers, F. D. 591
Box hive, tall 221
hives 217
Boy not convinced bees are safe 663
playing with bees .....May cover
Brazil, hive used for stingless bees 31
British Columbia, apiary in 329
map of 332
sample of colonies in 333
Bromfield, Louis 366
Brood, good, means strong colonies 75
of high viability 531
of low viability 532
Buckwheat field in bloom .....March cover
wild, in California 351

C

Carlson, Dr. John W. 366
Carribbean, sunset on 656
Carroll, Elmer 627
Cartoon:
"A little trick picked up from my wife" 732
"Are you crazy about your work?" 343
"But you advertised your honey for sale." 361
"Oh no! It's just the seven-year itch." 433
Teaching them which is their hive 48
"What do I need with a book on muscle-building?" 466
Cement bee hive 405
Champery, Switz. 525
Charlotte, banana 280
Chart of recommended system of mating 597
showing breeder colony above booster colony 666
percentage of inbreeding 596
Children interested in bees 218
Choco honey sweets 727
Chunk honey in quart jars 407
Churchill, Raymond 50
Clark Co. Beekeepers' Asso. picnic 108
Clarke, W. W. 549
Clover, Pellett 600
Coggshall, A. L., apiary of 425
Dr. W. L. 176, 275
Colonies confined to two stories in winter 9
in Ladino field 146
protected by a snow fence 623
sample of in B. C. 333
three, which issued from log hive 346
Colony divided with an inner cover 395
two-queen 212, 213
Color classifier for extracted honey 410, 411
of bees shown by photos 402, 403
Colorado mountain scene 43
State Capitol Building 42
Comb honey, beautiful 538
out of comb honey super 268
out of extracting super 267
Cook-Dupage County meeting 238
Cover, inner, double screened 214
Crawford, F. L., and his heating equipment ..718

D

Dallas, Texas 749
Darrell, Mr. and Mrs. H., in mobile extracting unit 716
home of, in Australia....713
Delaware B.K.A., exhibit of 631
Deer family .....February cover
Deschenes, S. M. 238
Deyell, M. J. 429, 653
holding 14-lb. swarm 542
Dog by hive in snow 725
Donavan, Dr. D. 283, 429
Drone, worker, queen 95
Du, a Swiss magazine 499
Dunham, Dr. W. E. 238, 549
Dutch skeps 22
Dyce, Dr. E. J. 50, 210, 275

E

Egg, seven stages of development 94
Emslander's, Lawrence, dog and hive 725
Entrance block for winter 265
blocks nailed to hives during summer 266
screen 141
top 655
Equipment lined up against one wall 458
repairing 208
Evans, P. A., cutting honey from frame of cement hive 406
Ewing, Riley, principal of hawaiian beekeeping project 78
Exhibit of Vermont beekeepers 46, 47
educational 462, 463, 464, 465
of Delaware B.K.A. 631
of honey at No. Car. State Fair 689
Extracting comb out of full super 267
unit, mobile, in Australia 715, 716

F

Fahlbeck, Ernest, apiary of 457
Farrar, Dr. M. D. 283
Federation meeting at Denver 172, 173
Feeding sugar syrup by friction-top pail 159
Finch, Eugene B. 304
Finlay, A. W. 332
Foundation destroyed by bees 470
Frame grippers for easy handling 459
wiring method, diagram of 477

G

Garrison, G. S. 366
Gaskin, G. C. 283
T. P. 283
Georghiow, George 275
Gibson, Glenn 173
Girl holding comb of bees 267
Gorstein, Mr. and Mrs. Benj. 493
Grace, Mrs. Harriett M. 173
Gran, Wm. T., examining alsike field 74
Grout, Mr. and Mrs. Roy 172

H

Hambleton, James I. 548
Hamm, C. A., with swarm 41

Harris, L. 332
Hawaii, apiary in 78
Hawaiian Islands apiaries 393, 396, 399
Hawthorne, Clarence, Vermont beekeepers' inspect apiary of 108
Heat, supplementary, equipment for 718
Hitzelberger, Harry 544
hive, diagram of, used in Brazil 31
made of cement 405
on scales ...January cover
parts including hive stand 159
stand, cement for winter 651
tipping to save time 271
two-story, boiling over with bees, ready for winter 624
using quart jars for bees to fill 474, 475
Hives bound by steel strapping for moving 717
carved in wood represent Biblical characters 341
grouping in field 73
of bees in red clover fields for pollination 137, 138, 139, 140, 141
packed for wintering in Wisconsin 721
prepared for honey production 270, 271
Holcombe, R. L., apiary of in winter 589
feeding his bees 587
with colonies which he has fed 588
Holzberlein, Jr., John W. 172
Honey bees, four species of 18
bran muffins 599
chunk, in quart jars ..407
exhibit at No. Car. State Fair 689
extracting unit, mobile, in Australia 715, 716
hearts for Valentines ..87
house built for efficiency 25
house in Australia 714
jubilees 414
refractometer 342
sales entered on sales slip 521
sign .....347, 585, 723, ...October cover
sign plainly seen 88
stand in Wisconsin 586
Hootman, H. D. 176

I

Icicles from leaves .....December cover
Iowa-Nebraska beekeepers' picnic 547
State Fair Committee 546

J

Jamaica, scenery in .....656, ...657, 658, 659
Jeep with power loader ..76
Jensen, N. C. 172
Johnson, Mr. and Mrs. J. E. 731
U. P. 625
Jones, Mr. and Mrs. Glenn 172
Journal entries 522
for keeping records 523

K

Kane, J. A., moving bees to vetch 149
Karraker, Capt. William delivers package bees 154
Kiawe grove, apiary in.... 79
Kier, Alex 332
Killion, Carl 50
Mrs. Carl 173
Carl, and son Gene with good colony 539
Gene, showing comb honey 538

L

La Bare, Francis, removing swarm from building 20
Ladino field, colonies in 146
Langley, Clarence, honey house of 25
Langstroth, L. L. 660
memorial Plaque 626
Lariat Trail, Denver, Colo. 43
Launch carrying bees 82
Lauritsen, J. L. 339
Ledger, loose leaf 523
Long, Emerson 551
Lose, Arthur, and carved soldier hive 548
Luce, Allen, examining colony 395
Lund, Emil, apiary of 722

M

Mackensen, Otto 335
Manchester, Mrs. Maxine, selling honey at Vermont exhibit 46
Man showing bees to boy 663
Martin E. C. 177
Maryland's new apiculture laboratory 682
Meacham, F. B. 34
Mead, Robt., selling honey at Vermont exhibit 46
Merrill, Harold 50
Mid-Hartfordshire Asso., demonstration of 2
Miller, Dr., Ohio State University 548
Milum, V. G., admiring Killion's comb honey 538
Mobile extracting unit in Australia 715, 716
Molokai Island, apiaries on 393, 396
Monticello ....July cover, 400
basswood tree blown down 526
Morehouse, Herbert 177
Morse, Roger 275
Moulton, H. J., in fireweed location 150
Mountain road in Jamaica 657
Muffins, bran, honey 599
honey applicious cornflake 27

N

Norton, Howard 50
Norway, apiary in 109

O

Observation hive in Children's nature museum, N. C. 692
Ohia trees on Hawaii 468
Orange tree 206
Oregon, bees on Ladino and vetch 146, 147
map showing beekeeping regions 148
Orsini, Peter C., receiving package of bees from airliner 154
Osborn, Mrs. Wesley 173
Outyard, clean up 208

P

Package bees sent by air 154
shipped by Geo. Nichols 149
Packing two hives in very cold climate 29
Pallesen, Herbert 275
Peer, Donald F. 539
Pa. beekeeping class of 1950 436
Pellett clover 600
Frank C. 363
Phillips, Dr. E. F. 592, 593
Geo. W., boyhood home of 657
Pie, banana honey ice cream 215
Plaque, bronze in La Jolla Church 277
Polhemus, Martin S. 216
Pollinating red clover, bees for 137, 138, 139, 140, 141
Power loader mounted on jeep 76
Praline pudding, honey 537
Privet bush, untrimmed 408
Pudding, honey-date-nut 145
honey praline 537
Purser, W. H. 283
Pussywillows ....April cover

Q

Quadruple case covers used for summer windbreak 651
cases, bees packed in 649, 650
Quart jars in super for bees to fill 474
Queen cell 272
drone, worker 95
mating yard of George Nichols 150
Queen's nest, new 270

R

Reese, Chas. A. 282, 549
Rehman, George 282
River in Swiss Alps 526
Road between apiaries in Hawaii 79
Roadside sign, honey .....September cover
stand in Wisconsin 586
Roberts, William C. 335
Root, E. R. 548, 593

S

Sanford, A. J., and son taking load of bees to clover 149
Scale hive ....January cover
at Wildwood farm 566
Schaller, Herman, examining alsike field 74
Schramm, Dr. Jacob 115
Schwantes, A., and wife 550
Schwoebel, Fred W. 415
Scott, W. Kerr 689
Shaw, Dr. Frank 275
Shawler, Wm., serving lemonade 547
Sheppard, W. G. 332
Shovel carried on truck 208
Skeps at Greenfield Village .....November cover
Signaling device to prevent overflowing 458
Sign, honey in Vermont .....September cover
plainly read 88
Skeps, Dutch 22
Snake measuring six feet 81
Snow, early spring, makes work trying 9
fence for winter protection 623
Spittlebug damages crop 76
Sponge cake, honey orange 478
Stephen, W. A. 304, 689
Stingless bees in Brazil, hives used for 31
Sullivan, R. C., and observation hive 692
Supers, load of, moved to yard 11
stacked up during honey flow 11
Swanson, Frank 13
Swarm, 14-pound 542, 686
in open in Hawaii 398
in wall of garage 20, 21
on a branch being put into hive 428
on man's head 41

too large for one man to handle 686
Sweet potatoes, honey stuffed 668
Swisher, H. R. 282
Swiss magazine "Du" 499
Switzerland, apiary in 525

T

Takata, Kengo, agricultural instructor, in Hawaiian beekeeping project ..78
Tamura, I., caretaker of bees 78
Thomas, Walter 282, 544
Three-in-one baking-day bargain 344
Toads waiting at entrance of hive on Kauai 399
Todd, F. Dundas 332
Tollafield, C. G. 205, 493
Top entrance for bees 655
knots, honey 145
Torio, Dominic 330
Townsend, Prof. Gordon 549
Tree in blossom by river .....June cover
section containing a swarm with hive on top 347
Tropical verdure in Jamaica 659
Truck, hand 207
handy for out-apiary work 497
loaded with extras 206
Trucks for moving big loads of bees 338, 339
Turnbull, W. H. 332
Turner, Mrs. Grover 173
Two-queen colony 212, 213

U

Uncapping knife, heated, relieves wrist 458
steam-heated in use ..427

V

Vermont, backlot apiary in 287
beekeepers' exhibit 46, 47
Vest, George W. 304
Village of the bees 524

Contributions

A

Alex, A. H. 37, 101, 169, 231, 298, 357, 422, 491, 556, 616, 677, 740
Anderson, E. J. 230
Anderson, Stanley 347
Andrews, L. L. 35, 99, 163, 227, 290, 353, 418, 484, 555, 611, 675, 739,

B

Babcock, D. C. 366
Babcock, F. A. 346
Barnes, Dr. R. H. 22
Baxter, W. E. 602
Benson, Stanley A. 91
Benedict, Hubert L. 719
Bishop, Philip 476
Black, A. Burr 146
Bostwick, E. P. 410
Brice, B. A. 410
Brown, Allan T. 40, 105, 170, 232, 295, 360, 423, 490, 559, 681, 744

C

Campbell, J. O. 346
Carr, Constance M. 524
Carr, Elmer G. .....269, ...358, 529, 566, 681
Coulter, W. A. 167, 488, 743
Crawford, F. L. 718
Crouse, Albert L. 233, 559

D

Dagnau, W. A. 721
Davis, J. H. 534
Deyell, M. J. 28, 81, 94, 151, 158, 176, 220, 238, 282, 286, 304, 349, 426, 494, 542, 622, 684, 732
Dowling, A. V. 171, 744
Dunham, W. E. 212
Dyce, E. J. 210, 342

E

Eckert, J. E. .....35, 78, 99, 163, 227, 290, 354, 393, 418, 468, 484, 555, 611, ...675, 739
Edwards, S. W. 460, 679
Erickson, John F. 229, 557
Evans, Walter 36, 359, 745

F

Fahlbeck, Ernest 457
Fenn, L. S. 410
Forsland, Harry 21

G

Gallop, A. L. 334
Gardner, Lloyd C. 567
Gouget, Charles W. 88, 521
Grace, Harriett M. 51, 107, 162, 223, 300, 367, 430, 498, 540, 630, 671, 732
Gran, Wm. T 73

H

Hamilton, R. Parker 431
Hansen, H. A. 363
Haydak, M. H. 85
Hoffman, M. B. 210
Holden, Robert J. 726
Holzberlein, J. John W. 101, 425, 747
Hummel, E. P. 683
Hurst, James 693

I

Isaacson, C. M. 26, 90, 156, 222, 281, 345, 413, 480, 541, 607, 669, 730

J

Johnson, J. E. 625, 731
Johnson, Rev. L. K. 276

K

Kalthoff, Carl 265, 558
Karraker, William 154
Kelty, R. H. 627
Killion, Carl E. 166, 488, 538
Klopfenstein, L. D. 590
Knowlton, George F. 603
Koover, Charles J. 24

L

La Plant, A. A. 210
Latham, Alien 683
Latham, G. H. 631
Leeby, Constance 728
Little, Leslie H. 169, 678
Lovell, Harvey B. ..293, 616
Lund, Emil 722
Lyle, Clay 359

M

Mackensen, Otto 273, 335, 401, 530, 594, 664
Manley, R. O. B. 364
Martin, E. C. 104, 421, 742
Max, Tom 474
McClintock, Mrs. F. E. .585
McMasters, V. K. 292, 614
Mead, Robert M. 652
Menke, Herman F. 201
Michael, A. S. 654
Miller, H. G. 168, 489
Miller, I. F. 724
Morehouse, Bruce .....39, ...361, 680
Moreton, Ann 405
Mraz, Chas. 294, 618
Munro, J. A. 103, 420
Muth, Sr., Clifford F. 720
Muttoo, R. N. 16, 717
Myers, Howard M. 39

N

Nagel, George C. 462
Nielsen, Mrs. Benj. 27, 87, 145, 215, 280, 344, 414, 478, 537, 599, 668, 727
Nielsen, Benj. 102, 420, 741
Newell, R. E. 293, 475, 613
Newton, Douglas 235
Nogueiro-Neto, P. 30

W

Watanabe, Dr. Tsutomu 653
Weaver, Mrs. Ray 173
Webster, Marvin 176
Windbreak for summer 651
Window exhibits in St. Louis 462, 463, 464, 465
Wintering in quadruple cases 649, 650
in Wisconsin 721
Wiring method, diagram of 477
Wisconsin, hives packed for wintering 721
Wolfe, Wm. 544
Wood, Clyde, demonstrating extractor 46
Worker, queen, drone 95
Work made hard by early spring snow 9

Y

Yard supered for chunk honey 266
Yates, Mrs. M. Louise 205

O

Onyett, Clyde 527

P

Paddock, F. B. 229, 560
Paisley, Tom 236
Parker, R. L. 297, 615
Parker, Wallace 626
Pease, C. H. 619
Pellett, Melvin 600
Perreault, Edward F. 20
Phillips, E. F. 660
Phillips, Geo. W. 656
Pile, Parson 164, 486
Polhemus, Martin S. 216
Propolis Pete .....479, ...606, 670, 729
Pugh, R. M. 486

R

Rahmlow, H. J. 165, 487
Rapp, Colonel 561
Rapp, Martin N. 46
Raynes, Paul M. 340
Reed Earl C. 38, 357
Roberts, William C. ....335, ...401, 530, 594, 664
Rock, Howard J. 278, 473
Root, H. H. .....13, 92, ...93, 275, 338, 437, 653
Rowan, Henry M. 218

S

Sadler, Warren 649
Samuel, Edward 713
Schaefer, H. A. 270
Schwoebel, Fred W. 415, 545
Seaver, D. F. 285
Sechrist, E. L. 91
Seidlinger, Earl 31
Sell, C. Dillon 621
Shaw, F. R. 365, 626
Snavely, H. M. 655
Southerland, F. L. 410
Southwater, P. J. 23
Stricker, Milton H. 9, 587
Sullivan, R. C. 693

T

Tandy, A. B. 77
Tate, Homer 677
Thomas, Walter 137
Thomson, A. V. 467
Tontz, Clarence 206
Turnbull, W. H. 329
Turner, A., Jr. 410

W

Weatherford, Henry W. 167, 744
Wells, Franklin B. 498
White, J. W., Jr. 410
White, R. E. 144
Williamson, Donald W. ..264
Wills, Edward M. 423
Wixson, Roscoe F. ..296, 617
Wolfe, Edward A. 589

XUM

Editorials

A

Apiary locations easy to get 673
Appearance vs. wholesomeness in food 354
Artificial pollination, bee-collected pollen for 224
Associations backbone of industry 98

B

Backlot beekeeper, problems of 33
Bee communications 33
supplies, metal, priority for 288
Beekeepers' Associations 736
Beekeepers young, we need more 737
Beekeeping is different 672
more enthusiasm needed in 608
needs bookkeeping 552
what's ahead in 32
woman's part in 674
Bees fill jars with honey 481
on wheels 96
ways to lose money on 482
Beeswax 674
production 96
Bulletin, "Insects Affecting Alfalfa Seed Production in Kansas" 672

C

Canadian honey marketing program 96
Clover, Ladino 224, 416
pollinating in Indiana 482
Colonies used for pollination weakened 288, 552
weak, to save stores and bees 608
Colony population, plan to meet crop conditions 225
Comb honey production 352
record 553
Combs, save those 610

D

Displays, honey and bee 98
Divers, deep-sea, honey for 553

E

EFB continues to menance American beekeeping 288
Entrances, winter hive ..160

F

Farm commodity prices 674
Feeding of bees 352

G

Government honey export and diversion program continued 553
price freeze, how it affects honey 160
price support 289
Granulation of honey, rapid 738
Guinea hens, new use for 97

H

Honey and bee displays . 98
for deep-sea divers 553
good quality, should increase demand 553
marketing program, Canada 96
none on hotel menus 34
prices, don't cut 672
production in 1950 353
rapid granulation of 738
report for July, 1951 554
report for October 737
sign stops freight train 610
will not sell itself 225
Honeys, dark and white, keeping unmixed 552

I

Indiana, pollinating clover in 482
"Insects Affecting Alfalfa Seed Production in Kansas" bulletin 672
Inspector, learn from him 224
Institute News Notes, read 416
International Beekeeping Congress, last call to 481
pitch, bees may have 481
Introduction, queen 609, 673

J

Jars of honey, bees fill 481

K

Kellogg, W. K., death of 736

L

Labor, reducing in apiary 161
shortage for commercial beekeepers 96
Ladino clover 224, 416
Langstroth centennial ...609
visits A. I. Root 738
Locations, apiary, easy to get 673

M

Milk-honey products, three 483

N

National Honey Week 609

O

Our product, do we believe in it? 608

P

Package bees vs. wintered for pollination 97
Platter right side up 353, 416
Pollen for artificial pollination, bee collected 224
Pollinating red clover, honey bees for 417
Pollination, colonies used for weakened 288
of clover in Indiana ..482
orchard, wintered-over or package bees for ..97
Price support of honey, Government 289
Priority aid for metal bee supplies 288

Q

Queen introduction 609, 673

R

Red clover, honey bees for pollinating 417
Regionalizing beekeeping territory 482

S

Selling, real effort needed 416
Sign, honey, stops freight train 610
Snow—boon to beekeeper 161
Sweet clover, is it coming back 483

T

Tin cans allowed for honey 161

W

Wax, save bits of 552
Weed killers 353
Winter hive entrances 160
losses heavier than anticipated 352
Wintered-over vs. package bees for pollination ..97
Wintering Problem 736
Woman's part in beekeeping 674

Y

Year Book of Agriculture 481

BD. PER. GEN.